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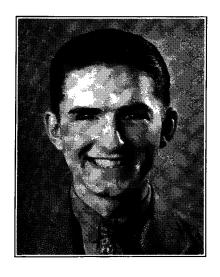
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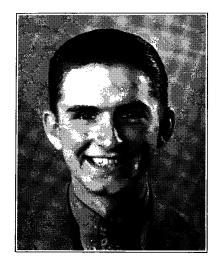
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\*WOLDMAN, E. E., and POLAN, C. G.: The Value of Colloidal Aluminum Hydroxide in the Treatment of Peptic Ulcer; A Review of 407 Consecutive Cases, Am. J. M. Sc. 198: 155-164 (Aug.) 1939.









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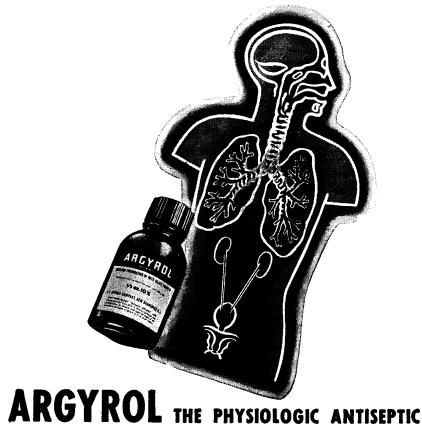
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# TNDEX TO ADVERTISERS

## MAY 1944 • BULLETIN OF

#### THE NEW YORK ACADEMY OF MEDICINE

| BARNES, A. C., CO.                         | . III         |
|--|---------------|
| BRAVERMAN, M. & SONS                       |               |
| CAMEL CIGARETTES                           | . <b>IX</b>   |
| CAMP, S. H., AND COMPANY                   | . VIII        |
| CANADA DRY GINGER ALE, Inc                 | . <b>X</b>    |
| CHATHAM PHARMACEUTICALS, Inc.              | XXXI          |
| CHESEBROUGH MFG. CO                        | . XIII        |
| CIBA PHARMACEUTICAL PRODUCTS, INC XIX, XXX |               |
| Inc XIX, XXX                               | III, XXXIV    |
| CLAI-ADAMS CO                              | . XXIII       |
| COCA COLA                                  | . <b>AAIA</b> |
| DOHO CHEMICAL CORPORATION                  |               |
| DUBIN, H. E., LABORATORIES                 |               |
| ELI LILLY AND COMPANY                      | . <b>IV</b>   |
| FALKIRK-IN-THE-RAMAPOS                     | . XVIII       |
| FRIED & KOHLER, Inc. GERBER'S              | . II          |
| GERBER'S                                   | . XXXII       |
| HAUSTETTER, A., INC.                       | . XXII        |
| LEDERLE LABORATORIES, INC.                 | . VII         |
| MACY, R. H. & CO.                          | . XI          |
| MAGER & GOUGELMAN, Inc.                    | . <b>XI</b>   |
| MALTBIE CHEMICAL COMPANY                   | . XXVIII      |
| MALTINE CO Inside                          | Back Cover    |
| MALTINE CO Inside MEAD JOHNSON & CO        | . <b>XX</b>   |
| MERCK & CO.                                | . XVII        |
| NUTRITION RESEARCH LABORATORIES XX         | VI, XXVII     |
| PAINE HALL                                 | . XVIII       |
| PEDIFORME FOOTWEAR                         | . XIV         |
| POMEROY                                    | . XIV         |
| POMEROY SARATOGA SPA SCHIEFFELIN & CO.     | . XI          |
| SCHIEFFELIN & CO.                          | . XXIV        |
| SEARLE, G. D., & CO                        | . XXX         |
| SQUIBB, E. R., AND SONS                    |               |
| TEACHER'S BLENDED SCOTCH WHISKY            |               |
| TOWNS, CHARLES B., HOSPITAL                | . XXII        |
| JOHN F. TROMMER, Inc.                      | . XV          |
| U. S. VITAMIN CORPORATION                  | . <b>VI</b>   |
| WALKER-GORDON LABORATORIES                 |               |
| WARNER, WILLIAM R. & CO                    |               |
| WINTHROP, CHEMICAL CO.                     |               |
| WYETH, JOHN & BROTHERS, INC.               | . I           |
| WYETH, JOHN & BROTHERS, INC                | . 1           |



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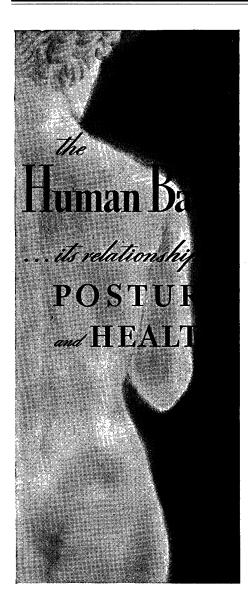
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New reprint available on cigarette research — Archives of Otolaryngology, March, 1943, pp. 404-410. Camel Cigarettes, Medical Relations Div., 1 Pershing Sq., New York 17, N.Y.

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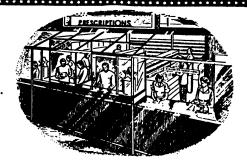
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1. J. A. M. A. 122:909 (July) 1943.

2. Ann. of Surg. 117:885 (June) 1943.

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 Surg., Gynec. and Obst. 74:914-924 (May) 1942.

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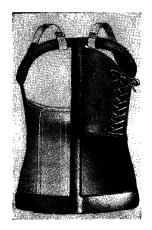
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#### 1937

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#### 1938

Nicotinic Acid Merck (U.S.P.) (Niacin) and Nicotinamide Merck (U.S.P.) (Niacinamide) were made commercially available.

#### 1938

Riboflavin Merck (U.S.P.) was the second pure crystalline vitamin to reach commercial production during that year.

#### 1938

Alpha-Tocopherol (Vitamin E) was identified and synthesized by Merck chemists and their collaborators in other laboratories.

#### 1939

Vitamin B<sub>6</sub> was synthesized in the Merck Research Laboratories.

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Vitamin B<sub>6</sub> Hydrochloride Merck (Pyridoxine Hydrochloride) became available in commercial quantities.

#### 1940

Alpha-Tocopherol Merck (Vitamin E) was made commercially available.

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Pantothenic Acid, member of the Vitamin B-Complex, was identified and synthesized by Merck chemists and their collaborators in other laboratories.

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#### 1940

Calcium Pantothenate Dextrorotatory, a biologically active form of Pantothenic Acid, was made commercially available by Merck & Co., Inc.

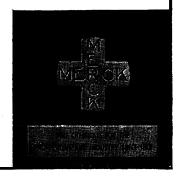
#### 1943

Biotin, member of the Vitamin B-Complex, was synthesized in the Merck Research Laboratories.

#### 1944

Biotin Merck was made commercially available by Merck & Co., Inc.

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## **NUTRITIONAL ANEMIA IN INFANTS**

#### REASONS FOR EARLY FEEDING OF PABLUM (OR PABENA)

- The infant's initial store of iron is rapidly depleted during the first months of life. (Mackay, Elvehjem<sup>2</sup>). About 30% of the iron freed from the hemoglobin during the first two months is lost, and while hemoglobin destruction takes place, all infants are in negative iron balance. (Jeans, and Usher, et al.4).
- During the early months of life the infant obtains very little iron from milk 1.44 mg. per day from the average bottle formula of 20 ounces or possibly 1.7 mg. per day from 28 ounces of breast milk. (Holt,<sup>5</sup> Jeans<sup>3</sup>). The incidence of nutritional anemia has been found to be high among infants confined largely to a diet of cow's milk. (Davidson, et al.,<sup>6</sup> Usher, et al.,<sup>4</sup> Mackay<sup>1</sup>).

For these reasons and also because of the low hemoglobin values so frequent among pregnant and nursing mothers (Strauss, and Gottlieb and Strean), the pediatric trend is constantly toward the addition of iron-containing foods at an early age, both to normal infants and those with pylorospasm. (Neff, Blatt, Brennemann, Monypenny).

#### THE CHOICE OF THE IRON-CONTAINING FOOD

- Many foods high in iron actually add very little to the diet because much of the mineral is lost in cooking or because the amount fed is necessarily small or because the food has a high percentage of water. Strained spinach, for instance, contains only 1 to 1.4 mg. of iron per 100 Gm. (Bridges<sup>13</sup>).
- 2. To be effective, food iron should be soluble. Some foods fairly high in total iron are low in soluble iron. Thus egg yolk and liver have less soluble iron than does farina, which is very low in total iron. (Summerfeldt<sup>14</sup>). Oxalate-containing leafy vegetables are low in soluble iron and appear not to be well utilized as a source of iron by infants. (Kohler, et al., 15 and Stearns 16).
- 3. Pablum (and Pabena) are high both in total iron (30 mg. per 100 Gm.) and soluble iron (7.8 mg. per 100 Gm.) and can be fed in significant amounts at an early age, without digestive upsets. (Blatt, 10 Monypenny 12). Clinical studies of sick and well babies have shown Pablum to be of value in raising hemoglobin values (Crimm, et al., 17 Summerfeldt and Ross 18), even when egg yolk and spinach were not effective (Stearns 16).

Pablum, a palatable mixed cereal food, vitamin and mineral enriched, and cooked thoroughly and dried, consists of wheatmeal (farina), oatmeal, wheat embryo, cornmeal, powdered beef bone, sodium chloride, alfalfa leaf, brewers' yeast, and reduced iron. (The oatmeal form of Pablum is called Pabena.)

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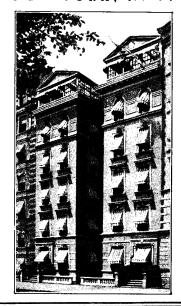
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(THEOPHYLLINE-ETHYLENEDIAMINE)

Rapid, ready solubility makes its high theophyllin content available for speedier action as a . . . diuretic, myocardial and respiratory stimulant and antiasthmatic in BRONCHIAL ASTHMA, PAROXYSMAL DYSPNEA, CHEYNE-STOKES RESPIRATION, AND IN MODIFYING ANGINAL ATTACKS.

TABLETS • AMPULS • POWDER • SUPPOSITORIES

H. E. Dubin Laboratories 250 East 43rd Street New York 17, N. Y.

## EFFECTIVE THERAPY IN Otitis Media

REQUIRES ANALGESIA - BACTERIOSTASIS, AND DEHYDRATION OF THE TISSUES.



THE DOHO CHEMICAL CORPORATION

New York - Montreal - London

# A new synthetic estrogen for oral and parenteral use

## Octofollin

This latest development of the Schieffelin & Co. research laboratories offers outstanding advantages over all other estrogens now available.

Octofollin is effective by mouth, is very well tolerated and highly economical.

Indications for its use are the same as those for all estrogens . . . menopause disorders, suppression of lactation, senile

vaginitis, infantile gonorrheal vaginitis and in ovarian hypofunction of estrogenic origin.

Octofollin Tablets are supplied in potencies of 0.5, 1.0, 2.0 and 5.0 mg. Bottles of 50, 100, 1,000.

Octofollin Solution containing 5.0 mg. per cc of sesame oil is packaged in a 10cc rubber stoppered vial.



Schieffelin & Co., New York, N. Y.

Pharmaceutical and Research Laboratories



Greamalin promptly reduces acidity within the stomach. The antacid effect is persistent. There is no local compensatory reaction, such as commonly occurs with alkalies, and hence no belated oversecretion of hydrochloric acid. Moreover, there is no risk of producing alkalosis.

Greamalin promptly relieves pain and heartburn associated with gastric hyperacidity.

Greamalin often induces healing of peptic ulcer when employed with an ulcer regimen.

agreeable to taste convenient to carry and to take efficient in action



## C R E A M A L I N

Reg. U.S. Pat. Off.
Brand of ALUMINUM HYDROXIDE GEL
TABLETS







As a result of the tremendously increased interest in the Ertronization treatment of arthritis, manufacturing costs per unit have been reduced. We pass this saving on to your patients in the form of a substantial price reduction.



HERE IS THE PRICE CHANGE:

ERTRON 50 capsules

4.50

ERTRON 100 capsules

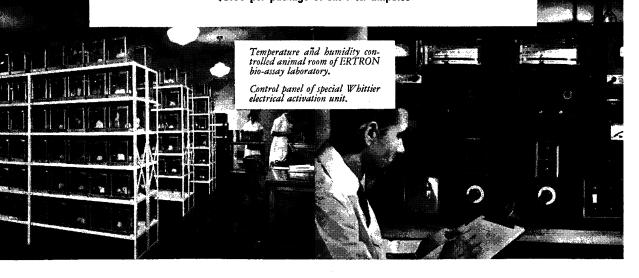
8.00

6.00

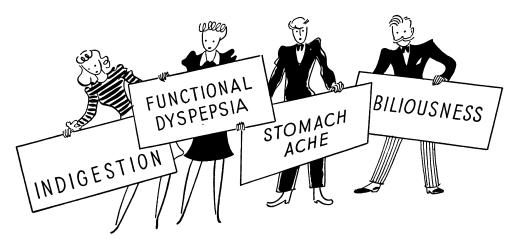
ERTRON 500 capsules 35.00

25.00

The price of ERTRON Parenteral is unchanged— \$5.00 per package of six 1 cc. ampules







## "Don't rely too much on labels, For too often they are fables"

-Spurgeon, C. H.

Vague symptoms, particularly in the early stages of diseases of the extrahepatic biliary tract, frequently mask the true condition, and delay much needed therapy.

Free drainage through the biliary channels is the primary objective in such conditions. This may be accomplished most efficiently with Cholan DH (pure dehydrocholic acid—Maltbie), not alone through evacuation of the gall-bladder contents—but particularly by a

marked increase (up to 200%) in the flow of bile of especially low viscosity. The use of Cholan DH may frequently forestall the necessity for surgical intervention, by discouraging gall stone formation and the entrenchment of infection.

Contraindications: Occlusive obstruction of biliary tract. Use with caution in acute yellow atrophy, acute hepatitis, eclampsia and progressive jaundice.

Supplied: in bottles of 100, 500 and 1,000 tablets of 3¾ gr. each; also in ampul form, as Cholan DH Sodium (Solution Sodium Dehydrocholate, in 20% concentration), in either 3 cc. or 10 cc. ampuls, 6 to a box.

THE MALTBIE CHEMICAL COMPANY • NEWARK, N. J.

## CHOLAN DH

NOT CHOLAGOGIC, NOR CHOLERETIC—BUT HYDROCHOLERETIC

## Have a Coca-Cola = Let's be friendly

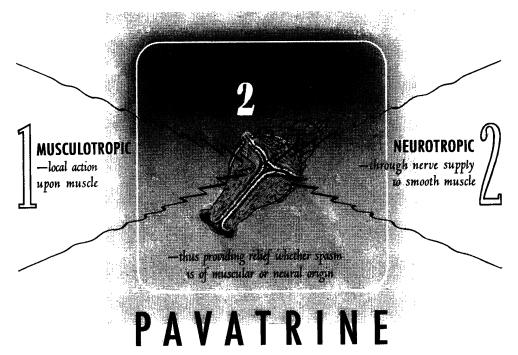


## ...a way to win a welcome wherever you go

There's friendliness in the simple phrase Have a "Coke". It turns strangers into friends. In both hemispheres, Coca-Cola stands for the pause that refreshes,—has become the high-sign of the goodhearted.



It's natural for popular names to acquire friendly abbreviations. That's why you hear Coca-Cola called "Coke". The pause that refreshes



This potent, safe, non-narcotic antispasmodic is a recent result of intensive research in the Searle laboratories.

In dysmenorrhea, gastrointestinal and urinary bladder spasm—PAVATRINE has shown high spasmolytic potency, ability to abolish uterine contractions, increased safety.

While Pavatrine is non-narcotic, its action in dysmenorrhea has been described as *morphine-like*.

Literature showing the smooth muscle relaxing action of Pavatrine, together with dosage and administration, is available. Please address your request to the Searle Medical Dept., P.O. Box 5110—B, Chicago 80, Illinois.

Pavatrine is supplied in bottles of 20, 100 and 1000 s.c. tablets of 2 grs. each.

#### G.D.SEARLE & CO.

ETHICAL PHARMACEUTICALS SINCE 1888
CHICAGO

New York Kansas City San Francisco

Pavatrine is the registered trademark of G. D. Searle & Co.

SEARCH IN THE SERVICE OF MEDICINE



THERAPEUTICALLY FOR USE IN HEMORRHAGIC DISEASES, ABNORMAL BLEEDING AND BLOOD DISORDERS.

PROPHYLACTICALLY FOR A CLEARER FIELD AND TO REDUCE THE INCIDENCE OF POSTOPERATIVE BLEEDING.

Literature on Request

# Chatham Pharmaceuticals, Inc.

NEWARK 2 • NEW IERSEY





PIOFORM\* is seeing active service with cases of acute and chronic amoebic dysentery, with amoebic colitis without dysentery and with symptomless carriers... not only on the home front but on distant shores as well.<sup>1</sup>

#### Available:

Tablets 250 mg. Bottles of 40 & 100 Powder Bottles of ½ oz.

\*Trade Mark Reg. U. S. Pat. Off. Word "Vioform" identifies the product as iodochlorhydroxyquino-line of Ciba's manufacture.

## VIOFORM TABLETS



"Notes on Tropical and Exotic Diseases of Naval Importance," issued by U. S. Naval Medical School, National Naval Medical Center, Bethesdo, Maryland (Nov. 1942).



Tomorrow's Medicines from Today's Research

Pharmaceutical Products, Inc. SUMMIT, NEW JERSEY

CANADIAN BRANCH: MONTREAL, QUEBEC

## Heroes of the United States Medical Services



SURGEON GENERAL WILLIAM GRIER (1818-1911) U. S. Navy

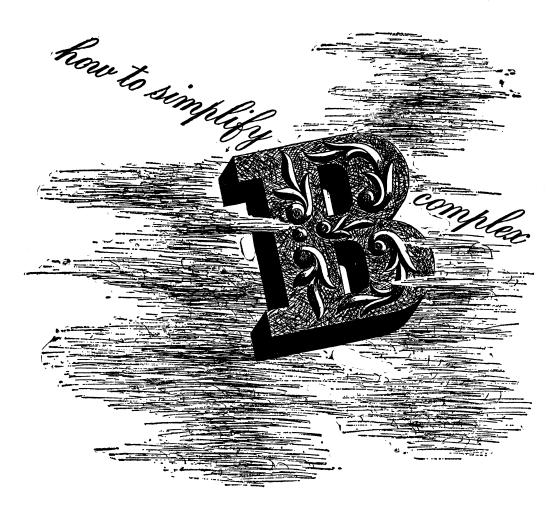


His recommendation that apothecaries be raised from semi-civilian status to enjoy the rights, privileges, and pay of petty officers, and eventual warrant rank, gave the first recognition to members of the profession of pharmacy in the Navy. Legislation enacted in 1898 carried his ideas to fruition, and today the Pharmacist's Mate works side-byside with medical officers in hospitals and dispensaries, ashore and afloat, helping "to keep as many men at as many guns as many days as possible." Citation after citation has paid tribute to the distinguished service and conspicuous gallantry of these members of the Hospital Corps, and to the foresight of Dr. Grier who first appreciated their importance to Naval medicine.

Ciba Pharmaceutical Products, Inc. salutes the men in the Medical Services of the United States as well as those in civilian forces responsible for health "behind the lines."

## Champion of the Pharmacist's Mate





Habit is half the battle in successful vitamin B medication. To establish treatment firmly in the patient's daily routine, the prescription must be, first of all, pleasant to taste and easy to take.

That's why physicians find *Maltine* B an excellent choice. Completely free of the usual yeasty or musty flavor, it's

a favorite with young and old alike.

Only two teaspoonfuls of *Maltine* B per day supply protective quantities of B Complex vitamins for adults, and one teaspoonful furnishes children's requirements. Supplied in prescription size of 8 fluid ounces, sufficient for a month or more of prophylactic use.